



AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. APP. NO. 09/854,916

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): audio/video (A/V) system comprising:

[one or more] a plurality of function-extending modules, each function-extending module capable of sending and/or receiving A/V data and storing control information for the function-extending module;

a module rack into which the plurality of function-extending modules are detachably inserted; and

a base module for receiving the control information from the plurality of function-extending modules mounted in the module rack, displaying the control information, and, if a user input according to the displayed control information is received, sending the user input to a corresponding function-extending module and receiving source A/V data provided by the function-extending module in response to the sent user input[.];

wherein the base module displays selection information for selecting one of the plurality of function-extending modules.

2. (original): The A/V system of claim 1, wherein each function-extending module stores an index page as control information and the base module has a browser for displaying a main page in which selection information for the function-extending modules is displayed, requesting an index page to a function-extending module selected through the main page, displaying the requested index page, and sending a user input, which is input through the index page, to the selected function-extending module.

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3. (original): The A/V system of claim 2, wherein the selection information is provided from the function-extending modules and display in the main page.

4. (previously presented): The A/V system of claim 2, wherein the function-extending module comprises:

- a communications interface unit for communicating with the base module;
- a memory unit for storing an Internet protocol (IP) address and the index page;
- a signal processing unit for processing source A/V data; and
- a control unit for providing the IP address and index page to the base module, and controlling the function-extending module so that the source A/V data, which is processed by the signal processing unit in response to a user input received by the base module, is sent to the base module through the communications interface unit.

5. (original): The A/V system of claim 4, wherein the communications interface unit is an IEEE1394 interface unit, and the signal processing unit has a transport stream processing unit for converting the A/V data into an MPEG transport stream and outputting the MPEG transport stream to the IEEE1394 interface unit.

6. (original): The A/V system of claim 4, wherein the base module comprises:

- a memory unit storing the browser;
- a control unit for receiving the IP address from the function-extending module inserted into the module rack and activating the browser;
- a user input unit for receiving a user input to the browser;
- a signal processing unit for dividing the source A/V data received through the communications interface unit into audio data and video data and processing respective data;
- an audio output unit for outputting audio data processed by the signal processing unit;

and

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a video output unit for outputting video data processed by the signal processing unit.

7. (original): The A/V system of claim 6, wherein the signal processing unit further has a mixing unit for making image data or text data overlap with video data and outputting the overlapped data to the video processing unit.

8. (original): The A/V system of claim 6, wherein the communications interface is an IEEE1394 interface unit.

9. (original): The A/V system of claim 6, wherein the function-extending module is one of a digital broadcast receiving module, a digital satellite broadcast receiving module, a cable broadcast receiving module, a digital versatile video (DVD) module, a digital video cassette recorder (DVCR) module, a game module, an Internet access module, a hard disc drive module, and a combination of at least two among these modules.

10. (original): The A/V system of claim 1, wherein the function-extending module comprises:

- a communications interface unit for communicating with the base module;
- a memory unit for storing an IP address and an index page as the control information; and
- a control unit for providing the IP address and index page to the base module and controlling the function-extending module so that source A/V data in response to a user input received by the base module is sent to the base module through the communications interface unit.

11. (original): The A/V system of claim 10, wherein the source A/V data is stored in the memory unit.

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12. (original): The A/V system of claim 10, wherein the communications interface unit is an IEEE1394 communications interface module.

13. (original): The A/V system of claim 10, wherein the function-extending module and the base module adopt a TCP/IP protocol for client-server communications.

14-19 (canceled).

20. (previously presented): The A/V system of claim 1, wherein said A/V data is a digital data.

21. (previously presented): The A/V system of claim 20, wherein the digital A/V data is an MPEG transport stream.

22. (previously presented): The A/V system of claim 21, wherein said base module reproduces said MPEG transport stream.

23. (previously presented): The A/V system of claim 1, wherein said base module communicates with said function-extending modules according to an Internet based communication protocol.

24. (canceled).

25. (currently amended): An audio/video (A/V) system comprising:
a module rack adapted for detachably receiving ~~one or more~~ a plurality of function-extending modules; and
a base module for receiving the control information, and, if user input according to the displayed control information is received, sending the user input to a corresponding function-

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extending module and receiving said A/V data provided by the function-extending module in response to the sent user input[.];

wherein the base module displays selection information for selecting one of the plurality of function-extending modules.

26. (previously presented): The A/V system of claim 25, wherein said base module communicates with said function-extending modules according to an Internet based communication protocol.

27. (previously presented): The A/V system of claim 24, wherein each function-extending module stores an index page as control information and the base module has a browser for displaying a main page in which selection information for the function-extending modules is displayed, requesting an index page to a function-extending module selected through the main page, displaying the requested index page, and sending a user input, which is input through the index page, to the selected function-extending module.

28. (previously presented): The A/V system of claim 27, wherein the selection information is provided from the function-extending modules and display in the main page.

29. (previously presented): The A/V system of claim 27, wherein the function-extending module comprises:

- a communications interface unit for communicating with the base module;
- a memory unit for storing an Internet protocol (IP) address and the index page;
- a signal processing unit for processing source A/V data; and
- a control unit for providing the IP address and index page to the base module, and controlling the function-extending module so that the source A/V data, which is processed by the signal processing unit in response to a user input received by the base module, is sent to the base module through the communications interface unit.

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30. (previously presented): The A/V system of claim 29, wherein the communications interface unit is an IEEE1394 interface unit, and the signal processing unit has a transport stream processing unit for converting the A/V data into an MPEG transport stream and outputting the MPEG transport stream to the IEEE1394 interface unit.

31. (previously presented): The A/V system of claim 29, wherein the base module comprises:

a memory unit storing the browser;

a control unit for receiving the IP address from the function-extending module inserted into the module rack and activating the browser;

a user input unit for receiving a user input to the browser;

a signal processing unit for dividing the source A/V data received through the communications interface unit into audio data and video data and processing respective data;

an audio output unit for outputting audio data processed by the signal processing unit;

and

a video output unit for outputting video data processed by the signal processing unit.

32. (previously presented): The A/V system of claim 31, wherein the signal processing unit further has a mixing unit for making image data or text data overlap with video data and outputting the overlapped data to the video processing unit.

33. (previously presented): The A/V system of claim 31, wherein the communications interface is an IEEE1394 interface unit.

34. (previously presented): The A/V system of claim 31, wherein the function-extending module is one of a digital broadcast receiving module, a digital satellite broadcast receiving

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module, a cable broadcast receiving module, a digital versatile video (DVD) module, a digital video cassette recorder (DVCR) module, a game module, an Internet access module, a hard disc drive module, and a combination of at least two among these modules.

35. (previously presented): The A/V system of claim 26, wherein the function-extending module comprises:

- a communications interface unit for communicating with the base module;
- a memory unit for storing an IP address and an index page as the control information; and
- a control unit for providing the IP address and index page to the base module and controlling the function-extending module so that source A/V data in response to a user input received by the base module is sent to the base module through the communications interface unit.

36. (previously presented): The A/V system of claim 35, wherein the source A/V data is stored in the memory unit.

37. (previously presented): The A/V system of claim 35, wherein the communications interface unit is an IEEE1394 communications interface module.

38. (previously presented): The A/V system of claim 35, wherein the function-extending module and the base module adopt a TCP/IP protocol for client-server communications.

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39. (currently amended): A method, comprising:

using a plurality of function-extending modules, detachably inserted into a module rack, to send and/or receive A/V data and to store control information for the plurality of function-extending modules; and

using a base module to receive the control information from the plurality of function-extending modules, to display the control information, and, if a user input according to the displayed control information is received, to send the user input to a corresponding function-extending module and to receive source A/V data provided by the function-extending module in response to the sent user input[.];

wherein the base module displays selection information for selecting one of the plurality of function-extending modules.

40. (currently amended): A method, comprising:

using a plurality of function-extending modules, detachably inserted into a module rack, to send and/or receive A/V data to/from a base module capable of reproducing A/V data, to store control information for controlling the plurality of function-extending modules, to provide the control information to the base module, and to send source A/V data corresponding to a user input, which is received from the base module, to the base module[.];

wherein the base module displays selection information for selecting one of the plurality of function-extending modules.

41. (currently amended): A method, comprising:

using a base module to receive the control information from a plurality of function-extending modules detachably mounted in the module rack, to display the control information, to receive a user input according to the displayed control information is received, to send the user input to the plurality of function-extending modules and to receive source A/V data provided by the plurality of function-extending modules in response to the sent user input[.];

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wherein the base module displays selection information for selecting one of the plurality of function-extending modules.